

PATENT
Express Mail Label No. EV350855249US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Applicant: Comaniciu
Serial No.: To Be Assigned
Filed: Herewith
Title: System and Method for Vehicle Detection and
Tracking

Docket No.: 2003P04385US01
Examiner: To Be Assigned
Group Art Unit: To Be Assigned
Date: March 22, 2004

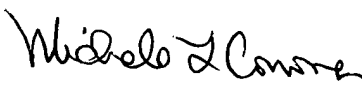
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

The documents listed on the accompanying Form PTO-1449, and of which copies are enclosed, are hereby cited pursuant to 37 CFR §1.56, §1.97 and §1.98, for consideration in the examination of the above-identified application and for the purpose of having them made of record.

Respectfully submitted,



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Form PTO - 1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 2003P04385 US01		Serial No. To Be Assigned	
INFORMATION CITED BY APPLICANT (Use several sheets if necessary)				Applicant Dorin Comaniciu			
				Filing Date Herewith		Group To Be Assigned	
U.S. Patent Documents							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if appropriate	
			Foreign Patent Documents				
	Document Number	Date	Country	Class	Subclass	Translation	
Other Prior Art (including Author, Title, Date, Pertinent Pages, etc.)							
	"Towards Active Machine-Vision Based Driver Assistance for Urban Areas", F. Heimes, Int. J. Computer Vision, 50(1):5-34, 2002.						
	"Obstacle Detection by Evaluation of Optical Flow Fields from Image Sequences", W. Enkelmann, Image and Vision Computing, 9(3):160-168, 1990.						
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	"Robust Obstacle Detection and Tracking by Motion Analysis", Willersinn et al., 1998.						
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	"Object Detection Using Model Based Prediction and Motion Parallax", Carlsson et al.						
	"Model-Based Object Tracking in Monocular Image Sequences of Road Traffic Scenes", Koller et al., Int. J. Computer Vision, 10(3): 257-281, 1993.						
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	"Robust Car Tracking Using Kalman Filtering and Bayesian Templates", Dellaert et al, ITS'97.						
Examiner				Date Considered			

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Foreign Patent Documents							
	Document Number	Date	Country	Class	Subclass	Translation	
Other Prior Art (including Author, Title, Date, Pertinent Pages, etc.)							
	"Overtaking Vehicle Detection Using Implicit Optical Flow", Batavia et al.						
	"Tracking Cars in Range Images Using the Condensation Algorithm", Meier et al.						
	"A Component-Based System for Car Detection" Thompson et al.						
	"Example-Based Object Detection in Images by Components", Mohan et al., IEEE Trans. PAMI, 23(4): 349-361, 2001.						
	"Rapid Object Detection Using a Boosted Cascade of Simple Features", Viola et al., CVPR 2001.						
	"Condensation -- Conditional Density Propagation for Visual Tracking http://www.robots.ox.ac.uk/~ab/abstracts/ijcv98.html , Int. J. Computer Vision, 29(1):5 -28, 1998.						
	"Recovery of Ego-Motion by Region Registration", Irani et al.						
	"A Robust Method for Computing Vehicle Ego-motion", Stein et al.						
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